

WSTF



WSSH





WSTF Capabilities

- Remote hazardous testing of reactive, explosive, and toxic materials and fluids
- Hypergolic fluids materials and systems testing
- Oxygen materials and systems testing
- Flight hardware processing
- Propulsion altitude systems testing



WSTF Accomplishments

- Performed development and certification testing of integrated space propulsion systems for Apollo, Skylab, Pioneer, Viking, Cassini, & shuttle
- Tested rocket propulsion systems for NASA, DOD, DOE, and industry
- Fired over 550 rocket engines in more than 3.5 million firings to date
- Developed and refined shuttle loading, checkout and turnaround procedures, propellant protection and disposal methods, precision-cleaning, and propulsion component refurbishment processes
- Tested over 90% of all nonmetallic materials flown on Apollo and shuttle, including payloads
- Performed pioneering work in metals combustion, oxygen compatibility, propellant hazards, and detonation phenomena
- Conducted over 80% of all astronaut approach & landing training missions (WSSH and El Paso FOL)
- Provided contingency landing support for every shuttle mission (WSSH)



WSTF Contracts

- Facilities Operation and Support Contract (FOSC), EASI
- NASA Testing and Evaluation Contract (NTEC), Jacobs Technology
- Others: Washington Group International, Wyle, Northwind



WSTF Hazardous Material Procurement

- We use an Oracle system
- Management System Manual (Purchase Order-Procurement) shows process
- Most orders (a few exceptions – lawn chairs?) are routed to FOSC IH
- FOSC IH alerts the purchaser if there is a problem
- If not, FOSC IH approves the purchase in oracle
- The purchaser has to check a block: MSDS needed, yes or no





ORACLE

WSTF FINANCIALS

Notification Details

WARNING WARNING

This US Government computer is for authorized users only. By accessing this system you are consenting to complete monitoring with no expectation of privacy. Unauthorized access or use may subject you to disciplinary action and criminal prosecution.

From Group, Property

To Group, Safety Sent 26-JUN-2008 11:18:22 Due 03-JUL-2008 11:18:22 Closed 26-JUN-2008

Subject Requisition 506430 for Torrison, Terry S (129.00 USD) requires approval

Requisition Summary

Requisition Total 129.00 USD
 Description NS: ASQ Renewal for Juan Perez
 Forwarded From Group, Safety
 Created By Torrison, Terry S
 Justification ASQ Renewal for Juan Perez

Requisition Lines

The first five requisition lines are summarized below. For additional information, click the **View Requisition Details** link.

[View Requisition Details](#) | [Edit Requisition](#)

Line	Item Description	Supplier	Cost Center	UOM	Quantity	Unit Price	Line Amount (USD)
1	ASQ Renewal for Juan Perez Member # 63527109	[17-ENV:Yes]	C150000000000	EA	1	129 USD	129.00

Approval History

	Who	Action	Date	Note
7	Group, ENV			
6	Group, Safety	Approve	26-JUN-2008	
5	Group, Property	Approve	26-JUN-2008	
4	Group, Warehouse	Approve	26-JUN-2008	
3	Baughman, Pamela R	Approve	26-JUN-2008	
2	Torrison, Terry S	Forward	26-JUN-2008	
1	Torrison, Terry S	Submit	26-JUN-2008	ASQ Renewal for Juan Perez

WSTF Hazardous Materials Procurement

- P-Card purchases have been tightened up.
- No NASA hazardous materials orders on P-CARD
- FOSC and NTEC, the two primary contacts have tightened up what is allowed on P-Card.
 - Still may allow some hazardous material on site.



WSTF Hazardous Materials Procurement

- Large orders of hazardous material ...
- WSI: 06-SW-0002.E, “Critical Materials Procurement and Acceptance”
- Monomethyl hydrazine, oxygen, liquid nitrogen, liquid helium, etc.
- These are ordered by NASA
- One of two civil servants does the ordering.
- Special receiving procedures and record keeping apply
- These do not come through the Oracle system.



WSTF Hazardous Materials Procurement

- WSP 24-0014, “Transportation Security Plan
- Coordination of material shipment on site
- Security
- En-Route Security and safe routes
- Communications



WSTF Hazardous Materials Procurement



WSTF Hazardous Materials Procurement

- Exploring the possibility of a question block on Oracle about Buy Quiet – Quiet by Design
- It might say, “Will this equipment produce more than 85 dBA at 1 meter.”
- Yes or No

